

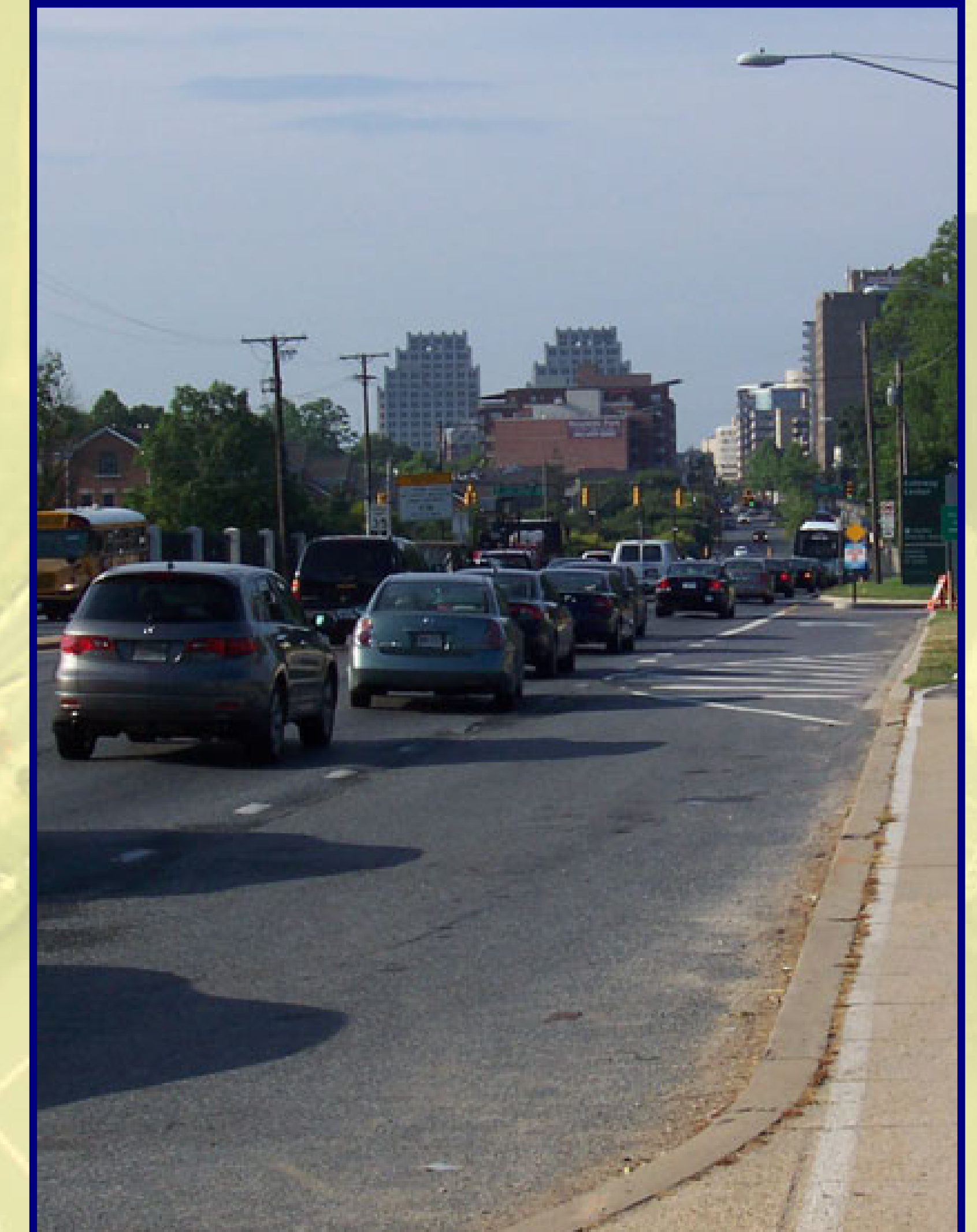


# MD 355/Rockville Pike Crossing Study

## Elements of Need: Traffic Operations

### Existing Traffic

- Vehicles turning into NNMC from northbound MD 355 experience traffic delays (AM peak period)
- Conflicts between pedestrians and vehicles occur when traffic is entering and exiting NNMC and NIH at the same time pedestrians are crossing MD 355
- Queues on South Drive from vehicles exiting the Kiss & Ride lot and NIH block the exit from the bus loop



Intersection Leg	Existing (AM Peak Hour)			Existing (PM Peak Hour)			2030 No Build (AM Peak Hour)			2030 No Build (PM Peak Hour)		
	Volume	Level of Service		Volume	Level of Service		Volume	Level of Service		Volume	Level of Service	
		Left Turn	Through/Right Turn		Left Turn	Through/Right Turn		Left Turn	Through/Right Turn		Left Turn	Through/Right Turn
NB MD 355	1,440	D	C	2,660	A	C	1,545	D	C	2,835	A	C
SB MD 355	2,680	D	C	1,885	D	B	2,870	E	C	2,020	D	B
EB South Drive (NIH)	175	E	F	305	F	E	195	E	F	335	F	F
WB South Wood Road (NNMC)	140	E	E	425	E	F	145	F	E	445	F	F
	<b>4,435</b>			<b>5,275</b>			<b>4,755</b>			<b>5,635</b>		



### Level of Service (LOS)

- A qualitative measure of operational conditions within a traffic stream, ranging from A to F
- LOS A represents optimal conditions
- LOS F represents saturated or failing conditions